

POTATO STRIP CUTTING DECELERATION SYSTEM

ABSTRACT

5 The invention relates to a food processing system. A fluid conduit of the system is configured for directing the food carried in a fluid medium along a food path. The system has a food inlet operatively associated with the fluid conduit for feeding the food into the conduit, and a pump operatively associated with the conduit for pumping the fluid through the conduit in a fluid stream direction. A processor unit is associated with the
10 conduit, disposed along the food path, and includes a tool configured and associated with the conduit for performing a processing operation on the food, such as cutting potatoes into french fry strips. The system also has a deceleration element operatively associated with the conduit and configured for decelerating the fluid and carried food along the food path while maintaining the fluid flow substantially free of recirculation vortices.

1073086.020902